

Claims

[c1] I claim:

1. An apparatus, for controlling gas in a gas burner used for stir-fry cooking to achieve a desirable timing and volume of heat, is operated either manually by hand or automatically through magnets.

[c2] 2. An apparatus in claim 1, comprising:

a magnetic control unit, which comprises at least a magnetic object, a sensor board, a relay and an electromagnetic valve;

a hand control unit, which comprises at least a handle and a hand control valve;

a valve box, which harbors the said electromagnetic valve, the said hand control valve and a gas passing channel.

[c3] 3. The said magnetic object in claim 2, comprises at least one magnet.

[c4] 4. The said sensor board in claim 2, comprises at least one magnetic detecting device.

[c5] 5. The said magnetic detecting device in claim 4, comprises at least one reed switch.

- [c6] 6. A method to use the said apparatus in claim 1 in stir-fry cooking, comprises:
turning on the device power;
a person wearing the said magnetic band on his knee;
placing the said magnetic band close to the said sensor board, which trigger the said reed switch and turn on the said relay, as a result, the said electromagnetic valve is open to allow gas to flow to a gas burner;
moving the said magnetic band away from the said sensor board, which release the said reed switch and turn off the said relay, as a result the said electromagnetic valve is close to block gas flowing to a gas burner;
alternatively turning the said handle to open/close the said hand control valve to allow/block gas to flow to a gas burner, respectively.
- [c7] 7. A stir-fry cooking system, comprising at least one apparatus in claim 1.